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optical systems.

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Τ	г.	An imaging device comprising:
2		an imaging array;
3		a first optical system to selectively provide an
4	image to	said array;
5		a second optical system to selectively provide an
6	image to	said array; and
7		an eyepiece to view the image selectively
8	provided	to said array from one of said first or second

- The imaging device of claim 1 wherein said
 imaging device is a camera.
- 1 3. The imaging device of claim 1 wherein said 2 imaging device is a microscope.
- 1 4. The imaging device of claim 1 wherein said 2 imaging device is a telescope.
- 5. The imaging device of claim 1 wherein said imaging array is a digital sensor.
- 1 6. The imaging device of claim 1 wherein said first 2 optical system includes a shutter and said second optical 3 system includes a shutter.

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- 7. The imaging device of claim 6 wherein said shutters are controlled so that only one of said shutters is open at a time.
- 1 8. The imaging device of claim 7 wherein a 2 controller enables the user to select one of said shutters 3 to pass light.
- 9. The imaging device of claim 8 including a beamsplitter that causes light from each optical system to be passed both to the imaging array and said eyepiece.
- 1 10. The imaging device of claim 1 wherein said first 2 optical system includes a lens with a narrower field of 3 view and said second optical system includes a lens with a 4 wider field of view.
 - 11. The imaging device of claim 1 wherein said first optical system includes a first lens and said second optical system includes a second lens, said first lens having a higher magnification than said second lens.
- 1 12. A method comprising:
- providing a first image to an imaging array along
 a first light path;

- providing a second image to said imaging array

 along a second light path; and

 enabling selective viewing of one of said images.
- 1 13. The method of claim 12 including enabling a 2 selected image to be simultaneously viewed by said user and 3 captured by said imaging array.
- 1 14. The method of claim 12 including selectively 2 shuttering one of said first and second optical paths.
- 1 15. The method of claim 14 including selectively 2 closing one of said first and second optical paths while 3 opening the other of said first and second optical paths.
- 1 16. The method of claim 12 including providing a 2 different field of view along said first and second optical 3 paths.
- 1 17. The method of claim 12 including a different 2 magnification along each of said first and second paths.
- 1 18. The method of claim 12 including enabling a user 2 to select one of said paths to pass an image to said 3 eyepiece and said imaging array.

- 1 19. The method of claim 12 including splitting the 2 light from each of said paths to cause part of the light to 3 go to said imaging array and part of said light to go to 4 said eyepiece.
- 1 20. A camera comprising:
- a first optical path having a lens with a first
- 3 field of view;
- a second optical path including a lens with a
- 5 second field of view different from said first field of
- 6 view;
- an image capture device to selectively receive an
- 8 image from one of said first and second optical paths; and
- an eyepiece to display the image received by said
- 10 image capture device.
 - 1 21. The camera of claim 20 wherein said first optical
 - 2 path includes a shutter and said second optical path
 - 3 includes a shutter.
 - 1 22. The camera of claim 21 wherein said shutters are
 - 2 controlled so that only one of said shutters is open at a
 - 3 time.

- 1 23. The camera of claim 22 including a controller to
- 2 enable the user to select one of said shutters to pass
- 3 light.
- 1 24. The camera of claim 23 including a beamsplitter
- 2 to enable light from each optical path to be passed both to
- 3 the imaging array and said eyepiece.